

- 56 -

SEQUENCE LISTING

SEQ ID NO : 1

LENGTH : 214

TYPE : amino acid

5 MOLECULAR TYPE : peptide

FEATURE : HMG-1

ORIGINAL SOURCE : Human

SEQUENCE

Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
10 5 10 15
Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
20 25 30 35
Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
40 45 50
15 Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg
55 60 65 70
Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys Phe Lys Asp
75 80 85 90
Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr
20 95 100 105
Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys
110 115 120 125
Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr Glu
130 135 140
25 Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
145 150 155 160
Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu Lys Ser
165 170 175 180
Lys Lys Lys Glu Glu Glu Asp Glu Glu Asp Glu Glu Asp Glu Glu Glu
30 185 190 195
Glu Glu Asp Glu Glu Asp Glu Glu Asp Asp Asp Asp Asp Glu
200 205 210

SEQ ID NO : 2

LENGTH : 208

TYPE : amino acid

MOLECULAR TYPE : peptide

5 FEATURE : HMG-2

ORIGINAL SOURCE : Human

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
5 10 15

10 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ser Ser Val Asn
20 25 30 35

Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
40 45 50

Glu Lys Ser Lys Phe Glu Asp Met Ala Lys Ser Asp Lys Ala Arg Tyr Asp Arg
15 55 60 65 70

Glu Met Lys Asn Tyr Val Pro Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp
75 80 85 90

Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu His
95 100 105

20 Arg Pro Lys Ile Lys Ser Glu His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys
110 115 120 125

Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu
130 135 140

Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
25 145 150 155 160

Ala Lys Gly Lys Ser Glu Ala Gly Lys Lys Gly Pro Gly Arg Pro Thr Gly Ser
165 170 175 180

Lys Lys Lys Asn Glu Pro Glu Asp Glu Glu Glu Glu Glu Glu Asp Glu
185 190 195

30 Asp Glu Glu Glu Glu Asp Glu Asp Glu Glu
200 205

SEQ ID NO : 3

LENGTH : 214

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-1

5 ORIGINAL SOURCE : Bovine

SEQUENCE

Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

5 10 15

Val Gln Thr Cys Arg Glu Glu His Lys Lys His Pro Asp Ala Ser Val Asn

10 20 25 30 35

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys

40 45 50

Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg

55 60 65 70

15 Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys Phe Lys Asp

75 80 85 90

Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr

95 100 105

Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys

20 110 115 120 125

Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr Glu

130 135 140

Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg

145 150 155 160

25 Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu Lys Ser

165 170 175 180

Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Glu Asp Glu Glu Glu

185 190 195

Glu Glu Asp Glu Glu Asp Glu Glu Glu Asp Asp Asp Asp Glu

30 200 205 210

SEQ ID NO : 4

LENGTH : 214

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-1

ORIGINAL SOURCE : Porcine

5 SEQUENCE

Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
5 10 15
Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
20 25 30 35
10 Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
40 45 50
Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg
55 60 65 70
Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys Phe Lys Asp
15 75 80 85 90
Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr
95 100 105
Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys
110 115 120 125
20 Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys His Pro Tyr Glu
130 135 140
Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
145 150 155 160
Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu Lys Ser
25 165 170 175 180
Lys Lys Lys Glu Glu Glu Asp Glu Glu Asp Glu Glu Asp Glu Glu Glu
185 190 195
Glu Glu Asp Glu Glu Asp Glu Glu Glu Asp Asp Asp Asp Glu
200 205 210

30

SEQ ID NO : 5

LENGTH : 214

TYPE : amino acid

- 60 -

MOLECULAR TYPE : peptide

FEATURE : HMG-1

ORIGINAL SOURCE : Rat

SEQUENCE

5 Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
 5 10 15
Val Gln Thr Cys Arg Glu Glu His Lys Lys His Pro Asp Ala Ser Val Asn
 20 25 30 35
Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
10 40 45 50
Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg
 55 60 65 70
Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys Phe Lys Asp
 75 80 85 90
15 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr
 95 100 105
Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys
 110 115 120 125
Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys His Pro Tyr Glu
20 130 135 140
Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
 145 150 155 160
Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu Lys Ser
 165 170 175 180
25 Lys Lys Lys Glu Glu Asp Asp Glu Glu Asp Glu Glu Asp Glu Glu Glu
 185 190 195
Glu Glu Glu Glu Asp Glu Glu Glu Glu Asp Asp Asp Asp Asp Glu
 200 205 210

30 SEQ ID NO : 6
LENGTH : 209
TYPE : amino acid
MOLECULAR TYPE : peptide

FEATURE : HMG-2

ORIGINAL SOURCE : Porcine

SEQUENCE

| | | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | Gly | Lys | Gly | Asp | Pro | Asn | Lys | Pro | Arg | Gly | Lys | Met | Ser | Ser | Tyr | Ala | Phe | Phe | |
| 5 | | | | | | | | | | | | 10 | | | | | 15 | | |
| | Val | Gln | Thr | Cys | Arg | Glu | Glu | His | Lys | Lys | Lys | His | Pro | Asp | Ser | Ser | Val | Asn | |
| | | | | | | | | | 20 | | | | 25 | | | 30 | | 35 | |
| | Phe | Ala | Glu | Phe | Ser | Lys | Lys | Cys | Ser | Glu | Arg | Trp | Lys | Thr | Met | Ser | Ala | Lys | |
| | | | | | | | | | 40 | | | | 45 | | | 50 | | | |
| 10 | Glu | Lys | Ser | Lys | Phe | Glu | Asp | Met | Ala | Lys | Ser | Asp | Lys | Ala | Arg | Tyr | Asp | Arg | |
| | | | | | | | | 55 | | | 60 | | 65 | | | 70 | | | |
| | Glu | Met | Lys | Asn | Tyr | Val | Pro | Pro | Lys | Gly | Asp | Lys | Lys | Gly | Lys | Lys | Lys | Asp | |
| | | | | | | | | 75 | | | 80 | | 85 | | | 90 | | | |
| | Pro | Asn | Ala | Pro | Lys | Arg | Pro | Pro | Ser | Ala | Phe | Phe | Leu | Phe | Cys | Ser | Glu | His | |
| 15 | | | | | | | | | 95 | | | 100 | | | 105 | | | | |
| | Arg | Pro | Lys | Ile | Lys | Ser | Glu | His | Pro | Gly | Leu | Ser | Ile | Gly | Asp | Thr | Ala | Lys | |
| | | | | | | | | 110 | | | 115 | | 120 | | | 125 | | | |
| | Lys | Leu | Gly | Glu | Met | Trp | Ser | Glu | Gln | Ser | Ala | Lys | Asp | Lys | Gln | Pro | Tyr | Glu | |
| | | | | | | | | 130 | | | 135 | | | 140 | | | | | |
| 20 | Gln | Lys | Ala | Ala | Lys | Leu | Lys | Glu | Lys | Tyr | Glu | Lys | Asp | Ile | Ala | Ala | Tyr | Arg | |
| | | | | | | | | 145 | | | 150 | | 155 | | | 160 | | | |
| | Ala | Lys | Gly | Lys | Gly | Glu | Ala | Gly | Lys | Lys | Gly | Pro | Gly | Arg | Pro | Thr | Gly | Ser | |
| | | | | | | | | 165 | | | 170 | | 175 | | | 180 | | | |
| | Lys | Lys | Asn | Glu | Pro | Glu | Asp | Glu | Asp | |
| 25 | | | | | | | | | 185 | | | 190 | | | 195 | | | | |
| | Glu | Asp | Glu | Glu | Glu | Asp | Glu | Asp | Glu | Glu | | | | | | | | | |
| | | | | | | | | 200 | | | 205 | | | | | | | | |

SEQ ID NO : 7

30 LENGTH : 186

TYPE : amino acid

FEATURE : peptide

FEATURE : partial sequence of HMG-2

ORIGINAL SOURCE : Bovine

SEQUENCE

| | | | | |
|----|---|-----|-----|-----|
| | Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe | | | |
| | 5 | 10 | 15 | |
| 5 | Val Gln Thr Ser Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn | | | |
| | 20 | 25 | 30 | 35 |
| | Phe Ser Glu/Arg Trp Lys Thr Met Ser Ala Lys Glu Lys Ser Lys Phe Glu Asp | | | |
| | 40 | 45 | 50 | |
| | Met Ala Lys Ser Asp Lys Ala Arg Tyr Asp Arg Glu Met Lys Asn Tyr Val Pro | | | |
| 10 | 55 | 60 | 65 | 70 |
| | Pro Lys Gly Asp Lys Lys Gly Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro | | | |
| | 75 | 80 | 85 | 90 |
| | Pro Ser Ala Phe Phe Leu Phe Ser Ala Glu His Arg Pro Lys Ile Lys Ala Glu | | | |
| | 95 | 100 | 105 | |
| 15 | His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys Lys Leu Gly Glu Met Trp Ser | | | |
| | 110 | 115 | 120 | 125 |
| | Gln Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu Gln Lys Ala Ser Lys Leu Lys | | | |
| | 130 | 135 | 140 | |
| | Glu Lys Tyr Glu Lys Xaa Ala Ala Tyr Arg Ala Lys Gly Lys Ser Glu Ala Gly | | | |
| 20 | 145 | 150 | 155 | 160 |
| | Lys Lys Gly Pro Gly Arg Pro Thr Gly Ser Lys Lys Lys Asn Glu Pro Glu Asp | | | |
| | 165 | 170 | 175 | 180 |
| | Glu Glu Glu Glu Glu Glu | | | |
| | 185 | | | |
| 25 | | | | |

SEQ ID NO : 8

LENGTH : 209

TYPE : amino acid

MOLECULAR TYPE : peptide

30 FEATURE : HMG-2

ORIGINAL SOURCE : Rat

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

- 63 -

| | | | |
|-----|---|-------------------------|-----|
| | 5 | 10 | 15 |
| | Val Gln Thr Cys Arg Glu Glu His Lys Lys His | Pro Asp Ser Ser Val Asn | |
| 20 | 25 | 30 | 35 |
| | Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys | | |
| 5 | 40 | 45 | 50 |
| | Glu Lys Ser Lys Phe Glu Asp Met Ala Lys Ser Asp Lys Ala Arg Tyr Asp Arg | | |
| 55 | 60 | 65 | 70 |
| | Glu Met Lys Asn Tyr Val Pro Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp | | |
| 75 | 80 | 85 | 90 |
| 10 | Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu His | | |
| | 95 | 100 | 105 |
| | Arg Pro Lys Ile Lys Ser Glu His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys | | |
| 110 | 115 | 120 | 125 |
| | Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu | | |
| 15 | 130 | 135 | 140 |
| | Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg | | |
| 145 | 150 | 155 | 160 |
| | Ala Lys Gly Lys Ser Glu Val Gly Lys Lys Gly Pro Gly Arg Pro Thr Gly Ser | | |
| 165 | 170 | 175 | 180 |
| 20 | Lys Lys Lys Asn Glu Pro Glu Asp Glu Glu Glu Glu Glu Asp Asp | | |
| | 185 | 190 | 195 |
| | Glu Asp Glu Glu Glu Asp Glu Asp Glu Glu | | |
| | 200 | 205 | |

25 SEQ ID NO : 9

LENGTH : 206

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-2

30 ORIGINAL SOURCE : Chiken
SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Tyr Phe

- 64 -

| | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | Val | Gln | Thr | Cys | Pro | Arg | Glu | His | Lys | Lys | His | Pro | Asp | Ser | Ser | Val | Asn | |
| 20 | | | | | | | | | | | | | | | | | 35 | |
| | Phe | Ala | Glu | Phe | Ser | Arg | Lys | Cys | Ser | Glu | Arg | Trp | Lys | Thr | Met | Ser | Ser | Lys |
| | | | | | | | | | | | | | | | | | 50 | |
| 5 | Glu | Lys | Gly | Lys | Phe | Glu | Glu | Met | Ala | Lys | Gly | Asp | Lys | Ala | Arg | Tyr | Asp | Arg |
| | | | | | | | | | | | | | | | | | 70 | |
| | Glu | Met | Lys | Asn | Tyr | Val | Pro | Pro | Lys | Gly | Glu | Lys | Lys | Gly | Lys | Lys | Asp | |
| | | | | | | | | | | | | | | | | | 90 | |
| 10 | Pro | Asn | Ala | Pro | Lys | Arg | Pro | Pro | Ser | Ala | Phe | Phe | Leu | Phe | Cys | Ser | Glu | His |
| | | | | | | | | | | | | | | | | | 105 | |
| | Arg | Pro | Lys | Ile | Lys | Asn | Asp | His | Pro | Gly | Leu | Ser | Ile | Gly | Asp | Thr | Ala | Lys |
| | | | | | | | | | | | | | | | | | 125 | |
| | | | | | | | | | | | | | | | | | | |
| 15 | Lys | Leu | Gly | Glu | Met | Trp | Ser | Glu | Gln | Ser | Ala | Lys | Asp | Lys | Gln | Pro | Tyr | Glu |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | 130 | | | | | | | | | 135 | | | | | | | | 140 |
| | Gln | Lys | Ala | Ala | Lys | Leu | Lys | Glu | Lys | Tyr | Glu | Lys | Asp | Ile | Ala | Ala | Tyr | Arg |
| | | | | | | | | | | | | | | | | | | |
| | 145 | | | | | | | 150 | | | | 155 | | | | | | 160 |
| | Ala | Lys | Ser | Lys | Ser | Asp | Ala | Gly | Lys | Lys | Gly | Pro | Gly | Arg | Pro | Ala | Gly | Ser |
| | | | | | | | | | | | | | | | | | | |
| | 165 | | | | | | | 170 | | | | 175 | | | | | | 180 |
| | Lys | Lys | Ala | Glu | Pro | Glu | Asp | Glu | Glu | Glu | |
| 20 | | | | | | | | | | | | | | | | | | |
| | 185 | | | | | | | | | 190 | | | | | | | | |
| | Glu | Glu | Glu | Glu | Asp | Glu | Glu | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | 200 | | | | | | | 205 | | | | | | | | | | |

SEQ ID NO : 10

25 LENGTH : 201

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-2a

ORIGINAL SOURCE : Chiken

30 SEQUENCE

Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Met Ser Ala Tyr Ala Phe Phe

5 10 15

Val Gln Thr Cys Arg Glu Glu His Lys Lys Asn Pro Glu Val Pro Val Asn

- 65 -

| | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 20 | 25 | 30 | 35 | | | | | | | | | | | | | | |
| | Phe | Ala | Glu | Phe | Ser | Lys | Lys | Cys | Ser | Glu | Arg | Trp | Lys | Thr | Met | Ser | Ser | Lys |
| | | | | | | | | | | | | | | | | | | |
| | | 40 | | | | 45 | | | | | | | | | 50 | | | |
| | Glu | Lys | Ala | Lys | Phe | Asp | Glu | Met | Ala | Lys | Ala | Asp | Lys | Val | Arg | Tyr | Asp | Arg |
| 5 | | | | | | | | | | | | | | | | | | |
| | | 55 | | 60 | | | | 65 | | | | | | | 70 | | | |
| | Glu | Met | Lys | Asp | Tyr | Gly | Pro | Ala | Lys | Gly | Gly | Lys | Lys | Lys | Asp | Pro | Asn | |
| | | | | | | | | | | | | | | | | | | |
| | | 75 | | | 80 | | | | 85 | | | | | | 90 | | | |
| | Ala | Pro | Lys | Arg | Pro | Pro | Ser | Gly | Phe | Phe | Leu | Phe | Cys | Ser | Glu | Phe | Arg | Pro |
| | | | | | | | | | | | | | | | | | | |
| 10 | Lys | Ile | Lys | Ser | Thr | Asn | Pro | Gly | Ile | Ser | Ile | Gly | Asp | Val | Ala | Lys | Lys | Leu |
| | | | | | | | | | | | | | | | | | | |
| | | 110 | | | 115 | | | | 120 | | | | | | 125 | | | |
| | Gly | Glu | Met | Trp | Asn | Asn | Leu | Ser | Asp | Gly | Glu | Lys | Gln | Pro | Tyr | Asn | Asn | Lys |
| | | | | | | | | | | | | | | | | | | |
| | | 130 | | | 135 | | | | 140 | | | | | | | | | |
| | Ala | Ala | Lys | Leu | Lys | Glu | Lys | Tyr | Glu | Lys | Asp | Val | Ala | Asp | Tyr | Lys | Ser | Lys |
| 15 | 145 | | | | 150 | | | | 155 | | | | | | 160 | | | |
| | Gly | Lys | Phe | Asp | Gly | Ala | Lys | Gly | Ala | Ala | Thr | Lys | Ala | Ala | Arg | Lys | Lys | Val |
| | | | | | | | | | | | | | | | | | | |
| | | 165 | | | 170 | | | | 175 | | | | | | 180 | | | |
| | Glu | Glu | Glu | Asp | Glu | Glu | Glu | Glu | Glu | Glu | Asp | Glu | Glu | Glu | Asp | Glu | Asp | Asp |
| | | | | | | | | | | | | | | | | | | |
| 20 | 185 | | | | 190 | | | | 195 | | | | | | | | | |
| | Asp | Asp | Glu | | | | | | | | | | | | | | | |
| | | 200 | | | | | | | | | | | | | | | | |

SEQ ID NO : 11

LENGTH : 208

25 TYPE : amino acid

MOLECULAR TYPE : peptide

ORIGINAL SOURCE : Mouse

FEATURE : HMG-2

SEQUENCE

30 Gly Lys Gly Asp Pro Ile Lys Pro Leu Gly Lys Met Ser Ser Tyr Ala Phe Phe

5 10 15

Val Gln Thr Cys Arg Glu Glu His Lys Lys His Pro Asn Ser Ser Val Asn

20 25 30 35

-66-

| | | | | |
|----|---|-----|-----|-----|
| | Phe Ala Glu Ile Ser Lys Lys Cys Ser Lys Arg Trp Lys Thr Met Ser Ala Lys | | | |
| | 40 | 45 | 50 | |
| | Glu Asn Ser Lys Phe Glu Asp Leu Ala Lys Ser Asp Lys Ala Cys Tyr Tyr Arg | | | |
| | 55 | 60 | 65 | 70 |
| 5 | Glu Met Lys Asn Tyr Val Ser Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp | | | |
| | 75 | 80 | 85 | 90 |
| | Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Cys Leu Phe Cys Ser Glu Asn | | | |
| | 95 | 100 | 105 | |
| | Arg Pro Lys Ile Lys Ile Glu Tyr Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys | | | |
| 10 | 110 | 115 | 120 | 125 |
| | Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Glu Lys Gln Pro Tyr Glu | | | |
| | 130 | 135 | 140 | |
| | Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Phe Ala Ala Tyr Arg | | | |
| | 145 | 150 | 155 | 160 |
| 15 | Val Lys Gly Lys Ser Glu Ala Gly Lys Lys Gly Pro Gly Arg Pro Ala Gly Ser | | | |
| | 165 | 170 | 175 | 180 |
| | Lys Lys Lys Asn Asp Ser Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu Glu | | | |
| | 185 | 190 | 195 | |
| | Asp Glu Glu Gly Glu Glu Asp Glu Glu | | | |
| 20 | 200 | 205 | | |

SEQ ID NO : 1 2

LENGTH : 32

TYPE : amino acid

25 MOLECULAR TYPE : peptide

FRAGMENT TYPE : N-terminal fragment of 28KDa

ORIGINAL SOURCE

CELL TYPE : neutrophil-type cell derived from promyelocytic leukemia

CELL LINE : neutrophil-type cell line (ATCC CCL-240)

30 FEATURE

IDENTIFICATION METHOD : E

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

-67-

5 10 15
Val Gln Thr Xaa Arg Glu Glu His Lys Lys Lys His Pro Asp
20 25 30

5 SEQ ID NO : 1 3

LENGTH : 32

TYPE : amino acid

MOLECULAR TYPE : peptide

FRAGMENT TYPE : N-terminal fragment of 29KDa

10 ORIGINAL SOURCE

CELL TYPE : neutrophil-type cell derived from promyelocytic leukemia

CELL LINE : neutrophil-type cell line (ATCC CCL-240)

FEATURE

15 IDENTIFICATION METHOD : E

SEQUENCE

Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

5 10 15

Val Gln Thr Xaa Arg Glu Glu His Lys Lys Lys His Pro Asp

20 25 30